

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claim 1.-23. (Cancelled)

Claim 24. (Currently Amended) An image processing apparatus comprising:

an input unit adapted to input image data;

a reception unit adapted to receive information of a size of an object or a distance to the object, for detecting a desired object, from an external apparatus ~~that is not part of said image processing apparatus~~, via a communication interface;

a detection unit adapted to detect that the desired object ~~corresponding to the information received by said reception unit~~, exists in a predetermined range, on the basis of the information received by said reception unit from the image data input by said input unit; and

a transmission unit adapted, ~~in a case in which said detection unit detects the desired object~~, to transmit information corresponding to a detection result of said detection unit reflecting detection of the desired object to the external apparatus via the communication interface, in a case in which said detection unit detects that the desired object exists in the predetermined range.

Claim 25. (Previously Presented) An apparatus according to claim 24, wherein said input unit comprises an image pickup unit adapted to pick up the object image through an optical system.

Claim 26. (Currently Amended) An apparatus according to claim 25, wherein ~~the~~ said image pickup unit comprises a focus control unit adapted to control focusing of the optical system, and said detection unit detects the object according to focus control information generated by ~~the~~ said focus control unit.

Claim 27. (Currently Amended) An apparatus according to claim 26, wherein ~~the~~ said image pickup unit comprises a zoom control unit adapted to control zooming of the optical system, and said detection unit detects the object according to zoom control information generated by ~~the~~ said zoom control unit.

Claim 28. (Previously Presented) An apparatus according to claim 24, wherein said detection unit detects the object according to a difference value between pictures.

Claim 29. (Previously Presented) An apparatus according to claim 28, wherein said detection unit binarizes the difference value by using a predetermined threshold and detects the object according to a binarization result.

Claim 30. (Previously Presented) An apparatus according to claim 26, wherein said image processing apparatus is used in a monitoring camera system.

Claim 31. (Currently Amended) An image processing method comprising the steps of:

- inputting image data;
- receiving information of a size of an object or a distance to the object, for detecting a desired object from an external apparatus ~~that is not part of said image processing apparatus~~, via a communication interface;
- detecting that the desired object ~~corresponding to the information received in the receiving step~~, exists in a predetermined range, on the basis of the information received in said receiving step from the image data; and
- ~~transmitting, in a case in which the desired object is detected in said detecting step~~, information corresponding to a detection result of said detecting step reflecting detection of the desired object to the external apparatus via the communication interface, in a case in which it is detected in said detecting step that the desired object exists in the predetermined range.

Claim 32. (Previously Presented) A method according to claim 31, wherein said inputting step comprises picking up the object image through an optical system.

Claim 33. (Previously Presented) A method according to claim 32, wherein the step of picking up the object image comprises controlling a focus of the optical system, and said detecting step includes detecting the object according to focus control information of the step of controlling the focus.

Claim 34. (Currently Amended) A method according to claim 33, wherein ~~the~~ said step of picking up the object image comprises controlling zooming of the optical system, and said detecting step includes detecting the object according to zoom control information of ~~the~~ said step of controlling zooming of the optical system.

Claim 35. (Previously Presented) A method according to claim 31, wherein said detecting step includes detecting the object according to a difference value between pictures.

Claim 36. (Previously Presented) A method according to claim 35, wherein said detecting step includes binarizing the difference value by using a predetermined threshold and detecting the object according to a binarization result.

Claim 37. (Currently Amended) A terminal apparatus comprising;  
an input unit adapted to input image data;  
a reception unit adapted to receive information of a size of an object or a distance to the object, for detecting a desired object, from an external apparatus ~~that is not part of~~  
~~said image processing apparatus~~, via a communication interface,

a detection unit adapted to detect that the desired object corresponding to the information received by said reception unit, exists in a predetermined range, on the basis of the information received by said reception unit from the image data input by said input unit; and

a transmission unit adapted to, ~~in case that said detecting means detects the desired object,~~ transmit information corresponding to a detection result of said detection unit reflecting detection of the desired object to another external apparatus via the communication interface, in a case in which said detection unit detects that the desired object exists in the predetermined range.

Claim 38. (Previously Presented) An apparatus according to claim 37, wherein said input unit comprises an image pickup unit adapted to pick up the object image through an optical system.

Claim 39. (Previously Presented) An apparatus according claim 38, wherein said image pickup unit comprises a focus control unit adapted to control focusing of the optical system, and said detection unit detects the object according to focus control information generated by said focus control unit.

Claim 40. (Previously Presented) An apparatus according to claim 39, wherein said image pickup unit comprises a zoom control unit adapted to control zooming of the optical system, and said detection unit detects the object according to zoom control information generated by said zoom control unit.

Claim 41. (Currently Amended) A control method of a terminal apparatus,  
comprising the steps of:

- inputting image data;
- receiving information of a size of an object or a distance to the object,  
for detecting a desired object, from an external apparatus ~~that is not part of said image processing apparatus~~; via a communication interface;
- detecting that the desired object corresponding to the receiving  
information receiving by said receiving means, exists in a predetermined range, on the basis of  
the information received in said receiving step from the image data; and
- ~~transmitting, in a case in which the desired object is detected in said~~  
~~detecting step, information~~ corresponding to a detection result of said detecting step reflecting  
detection of the desired object to another external apparatus via said communication interface, in  
a case in which it is detected in said detecting step that the desired object exists in the  
predetermined range.